

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL 02/01059

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07K14/715

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

MEDLINE, EPO-Internal, BIOSIS, WPI Data, PAJ, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PIEHLER JACOB ET AL: "Mutational and structural analysis of the binding interface between type I interferons and their receptor ifnar2." JOURNAL OF MOLECULAR BIOLOGY, vol. 294, no. 1, 19 November 1999 (1999-11-19), pages 223-237, XP002242612 ISSN: 0022-2836 cited in the application page 228 -page 229; table 2	1-5, 10-12, 16, 19-25, 35
Y	page 230, left-hand column, line 9 - line 15; figures 7,8	1-61
Y	page 234, left-hand column, paragraph 2 ----	1-61
Y	EP 0 679 717 A (YEDA RES & DEV) 2 November 1995 (1995-11-02) page 4, line 30 - line 44 ----- -/--	1-61

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

27 May 2003

Date of mailing of the international search report

13/06/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Steffen, P

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IL 02/01059

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	LEWERENZ MALTE ET AL: "Shared receptor components but distinct complexes for alpha and beta interferons." JOURNAL OF MOLECULAR BIOLOGY, vol. 282, no. 3, pages 585-599, XP002242613 ISSN: 0022-2836 the whole document ----	
A	PIEHLER JACOB ET AL: "Biophysical analysis of the interaction of human ifnar2 expressed in E. coli with IFNalpha2." JOURNAL OF MOLECULAR BIOLOGY, vol. 289, no. 1, 28 May 1999 (1999-05-28), pages 57-67, XP002242614 ISSN: 0022-2836 the whole document ----	
A	ROISMAN LAILA C ET AL: "Structure of the interferon-receptor complex determined by distance constraints from double-mutant cycles and flexible docking." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES, vol. 98, no. 23, pages 13231-13236, XP002242615 November 6, 2001 ISSN: 0027-8424 the whole document -----	

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IL 02/01059

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
  
Although claims 49-59 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IL 02/01059

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0679717	A	02-11-1995	
		AT 183774 T	15-09-1999
		AU 684103 B2	04-12-1997
		AU 7597794 A	11-05-1995
		CA 2134030 A1	25-04-1995
		DE 69420251 D1	30-09-1999
		DE 69420251 T2	11-05-2000
		DK 679717 T3	13-03-2000
		EP 0679717 A2	02-11-1995
		ES 2140489 T3	01-03-2000
		GR 3031354 T3	31-01-2000
		JP 7236488 A	12-09-1995
		SI 679717 T1	31-12-1999
		US 5643749 A	01-07-1997
		ZA 9408345 A	17-07-1995

---